In [1]:
```
for i in range(1,6):
    for j in range(0,i):
        print("*",end=" ")
    print()
```

```
*
* *
* * *
* * * *
* * * * *
```

In [2]:
```
for i in range(1,6):
    for j in range(0,i):
        print("1",end=" ")
    print()
```

```
1
1 1
1 1 1
1 1 1 1
1 1 1 1 1
```

In [6]:
```
for i in range(2,8):
    for j in range(1,i):
        print(j,end=" ")
    print()
```

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4 5 6
```

In [7]:
```
for i in range(1,8):
    for j in range(0,i):
        print(i,end=" ")
    print()
```

```
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
6 6 6 6 6 6
7 7 7 7 7 7 7
```

In [ ]:
```

```

In [8]:
```
k=1
for i in range(1,8):
    for j in range(0,i):
        print(k,end=" ")
    print()
```

```
1
1 1
1 1 1
1 1 1 1
1 1 1 1 1
1 1 1 1 1 1
1 1 1 1 1 1 1
```

In [9]:
```
k=1
for i in range(1,8):
    for j in range(0,i):
        print(k,end=" ")
        k=k+1
    print()
```

```
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
16 17 18 19 20 21
22 23 24 25 26 27 28
```

In [ ]:

In [10]:
```
k=65
for i in range(1,8):
    for j in range(0,i):
        print(chr(k),end=" ")
        k=k+1
    print()
```

```
A
B C
D E F
G H I J
K L M N O
P Q R S T U
V W X Y Z [ \
```

In [ ]:

In [13]:
```
for i in range(66,71):
    for j in range(65,i):
        print(chr(j),end=" ")
    print()
```

```
A
A B
A B C
A B C D
A B C D E
```

In [ ]:

In [15]:
```
for i in range(65,71):
    for j in range(64,i):
        print(chr(i),end=" ")
    print()
```

```
A
B B
C C C
D D D D
E E E E E
F F F F F F
```

In [16]:
```
i=65
while i<71:
    j=64
    while j<i:
        print(chr(i),end=" ")
        j=j+1
    print()
    i=i+1
```

```
A
B B
C C C
D D D D
E E E E E
F F F F F F
```

In [ ]:
```

```

In [18]:
```
for i in range(1,6):
    for j in range(6,i,-1):
        print("-",end=" ")
    for j in range(0,i):
        print("*",end=" ")
    print()
```

```
- - - - - *
- - - - * *
- - - * * *
- - * * * *
- * * * * *
```

In [20]:
```
for i in range(1,6):
    for j in range(6,i,-1):
        print(" ",end=" ")
    for j in range(0,i):
        print("*",end=" ")
    print()
```

```
          *
        * *
      * * *
    * * * *
  * * * * *
```

In [23]:
```
for i in range(1,6):
    for j in range(6,i,-1):
        print(" ",end=" ")
    for j in range(0,i):
        print("*",end=" ")
    for j in range(1,i):
        print("*",end=" ")
    print()
```

```
        *
      * * *
    * * * * *
  * * * * * * *
* * * * * * * * *
```

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]: